

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-7. (Cancelled)

8. (Currently amended) Connector system comprising:

a first connector part; and

a cable assembly comprising a cable and a second connector part connected to an end of said cable, wherein said second connector part is adapted to be connected to the first connector part,

wherein said first connector part comprises a power supply line and a plurality of contacts, wherein said second connector part comprises a plurality of corresponding contacts and an active electronic circuit, and wherein said electronic circuit of said second connector part is powered, in operation, by said power supply line of said first connector part, and wherein said second connector part prevents substantive voltage from said power supply line from being carried by said cable to a third part.

9. (Previously presented) Connector system of claim 8, wherein said power supply line is connected to at least one ground contact of said first connector part and extended into said second connector part by a connection between said ground

contact and a corresponding ground contact of said second connector part.

10. (Currently amended) Connector system according to claim 8, wherein said first connector part is a device board ~~and said second connector part is a connector assembly of a cable for transmitting signals to a third part.~~

11. (Previously presented) Connector system according to claim 8, wherein said electronic circuit comprises an active equalisation device.

12. (Currently amended) An electronic component assembly comprising a connector assembly adapted to be connected to an electrical cable, wherein the connector assembly comprises a connector part located in the connector assembly, wherein the connector part forms a second connector part which is adapted to be connected to a first connector part, wherein the first connector part comprises a power supply line and a plurality of contacts, wherein the second connector part comprises a plurality of corresponding contacts and an active electronic circuit, ~~and~~ wherein the electronic circuit of the second connector part is adapted to be powered, in operation, by the power supply line of the first connector part, and wherein the second connector part is adapted to prevent substantive voltage from said power supply line from being carried by said cable to a third part.

13. (Currently amended) An electronic component assembly comprising:

a device board; and

a connector system comprising a first part mounted on the device board, ~~wherein the first part is adapted to be connected to~~ and a second connector part removably connected to the first part,

wherein said first part comprises a plurality of contacts, wherein the first part and/or the device board comprise a power supply line, wherein said second connector part comprises a plurality of corresponding contacts and an active electronic circuit, ~~and~~ wherein said power line is adapted to be coupled to said electronic circuit such that said electronic circuit of said second connector part is adapted to be powered, in operation, by said power supply line, and wherein said second connector part allows voltage from said power supply line to be used only for powering said electronic circuit of said second connector part.

14. (Previously presented) Connector system according to claim 8, wherein the first connector part comprises at least a portion of a device board.

15. (Currently amended) Connector system comprising:

a first connector part comprising a printed circuit board; and

a second connector part adapted to be connected to the first connector part,

wherein said first connector part comprises a power supply line and a plurality of contacts, wherein said second connector part comprises a plurality of

corresponding contacts and an active electronic circuit, and wherein said electronic circuit of said second connector part is powered, in operation, by said power supply line of said first connector part, and wherein said second connector part is adapted to limit supply of voltage from said power supply line to only said electronic circuit in said second connector part.

16. (New) An electrical connector adapted to be connected to an electrical cable to form an electrical connector cable assembly, wherein the electrical connector comprises:

an electronic circuit;

signal contacts adapted to be connected to wires of the cable through the electronic circuit; and

at least one contact forming a power supply line adapted to supply power to the electronic circuit,

wherein the electrical connector is adapted to isolate the power supply line from the wires of the cable to avoid the wires carrying a substantive voltage over the cable.

17. (New) An electrical connector cable assembly comprising:

an electrical cable comprising signal wires; and

an electrical connector **as in claim 16** connected to the wires.